

## 5Es card sort

<b>ENGAGE</b>	<b>EXPLORE</b>
<b>EXPLAIN</b>	<b>ELABORATE</b>
<b>EVALUATE</b>	<p><b>(T)</b></p> <p>Elicits students' thoughts and understanding</p>
<p><b>(T)</b></p> <p>Challenges current understanding by use of activities</p>	<p><b>(T)</b></p> <p>Assists students with developing student-planned investigations</p>

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<p><b>(T)</b></p> <p><b>Assesses responses to diagnose alternative conceptions</b></p>	<p><b>(T)</b></p> <p><b>Generates curiosity</b></p>
<p><b>(T)</b></p> <p><b>Observes and listens to students as they interact</b></p>	<p><b>(T)</b></p> <p><b>Provides time for students to puzzle through problems</b></p>
<p><b>(T)</b></p> <p><b>Presents scientific explanations to assist students with conceptual change</b></p>	<p><b>(T)</b></p> <p><b>Formally provides definitions, terms and new labels</b></p>
<p><b>(S)</b></p> <p><b>Uses scientific concepts and vocabulary in new situations</b></p>	<p><b>(S)</b></p> <p><b>Shows interest in the topic</b></p>

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<p><b>(S)</b></p> <p><b>Records observations and ideas</b></p>	<p><b>(S)</b></p> <p><b>Tries alternatives and discusses with others</b></p>
<p><b>(S)</b></p> <p><b>Listens critically to others' explanations</b></p>	<p><b>(S)</b></p> <p><b>Explains possible answers or solutions to others</b></p>
<p><b>(S)</b></p> <p><b>Re-represents a science understanding for summative assessment</b></p>	<p><b>(S)</b></p> <p><b>Reflects on the learning journey</b></p>
<p><b>(S)</b></p> <p><b>Works cooperatively in small group activities</b></p>	<p><b>(S)</b></p> <p><b>Assists with the design of a science investigation</b></p>

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<p><b>(S)</b></p> <p>Thinks about and articulates what he/she knows about a topic</p>	<p><b>(S)</b></p> <p>Thinks about experiences in trying to give explanations</p>
<p><b>(S)</b></p> <p>Applies new labels, definitions or explanations</p>	<p><b>(S)</b></p> <p>Draws reasonable conclusions from evidence after investigating</p>
<p><b>(S)</b></p> <p>Talks about initial ideas in response to a question or activity</p>	<p><b>(T)</b></p> <p>Asks 'What do you already know about this?'</p>
<p><b>(T)</b></p> <p>Looks for evidence that students have changed their thinking</p>	<p><b>(T)</b></p> <p>Allows students to assess their own learning</p>

## 5Es card sort

<p><b>(T)</b></p> <p><b>Encourages students to apply knowledge and skills in new situations</b></p>	<p><b>(T)</b></p> <p><b>Observes students as they present new knowledge or skills</b></p>
<p><b>(S)</b></p> <p><b>Demonstrates an understanding of new knowledge or skills</b></p>	